BENTEL SECURITY
From Tyco Security Products

SECURITY SYSTEMS
catalog 2016 • 2017

BENTEL SECURITY
From Tyco Security Products

catalog 2016 | 17

Contents

Security Systems

BENTEL SECURITY

ABSOLUTA Control Panels
EN50131 Grade 2

ABSOLUTA Control Panels Platform

COMMON FEATURES
(ABSOLUTA104, 42, 16 control panels):
- Voice dialer on-board
- Voice messages for each event/zone
- Telephonic voice guide
- Program up to 32 phone numbers
- Fully customizable digital dialer
- USB port for USB keys and PC programming
- Shortcut types of arming keys per 4 modes or scenary of partitions
- Basic home automation functions
- Fully programmable outputs: polarity, timing, oscillation, and event triggers
- Event logger contains 2,000 events
- On-board connectors for GSM and IP add-on boards
- Powerful Bentel Operating Security Software (BOSS)
- ABSOLUTA panel available in industrial metal cabinet or sleek plastic cabinet
- Vibration and Roller-Blind Detector support
- ABSOLUTA APP for remote system control
- Push notification on smartphones
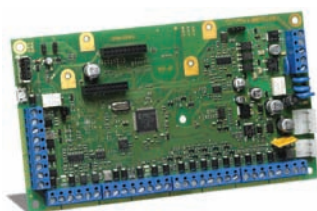- Support for M-Touch TouchScreen keypad

ABSOLUTA104 Expandable Hybrid Control Panel for Large-Scale Installations

- Up to 8 on-board zones
- Expandable to 104 input zones
- Up to 32 wireless zones
- Connect to 16 LCD or M-Touch keypads
- 250 keys/tags
- 16 partitions
- Up to 6 on-board outputs expandable to 50

ABSOLUTA42 Expandable Hybrid Control Panel for Medium-Size Installations

- Up to 8 on-board zones
- Expandable to 42 input zones
- Up to 32 wireless zones
- Connect to 8 LCD or M-Touch keypads
- 128 keys/tags
- 8 partitions
- Up to 6 on-board outputs expandable to 20

ABSOLUTA16 Expandable Hybrid Control Panel for Small/Medium-Size Installations

- Up to 8 on-board zones
- Expandable to 16 wired input zones
- Up to 32 wireless zones (including wired)
- Connect to 8 LCD or M-Touch keypads
- 64 keys/tags
- Up to 6 on-board outputs
- 8 partitions

Some products are not available in all countries. Contact your local distributor for details.

Control Panels

ABSOLUTA Control Panels
EN50131 Grade 3

COMMON FEATURES
(ABSOLUTA 104-G3, 16-G3 control panels):
- Triple balancing
- Super-user privileges for complete system management
- Optional GSM/GPRS board and IP board
- 8 zones on board
- USB port for PC programming
- Support for M-Touch TouchScreen keypad
- Home automation functions
- ABSOLUTA APP for remote system control
- Push notification on smartphones
- Fully programmable outputs: polarity, timing, oscillation and event triggers

- 32 phone number and 32 address e-mail agenda
- Voice dialer on board with 20 min of voice; voice messages for each event/zone
- Telephonic voice guide
- Fully customizable digital dialer
- 4 shortcut arming modes available
- Event logger containing 2,000 events
- Powerful Bentel Operating Security Software (BOSS)
- 13,8V, 5 Amp power supply
- White metal cabinet 310x403x104 mm with wall removing and opening tampers

ABSOLUTA104-G3 Expandable Hybrid Control Panel for Large-Scale Installations

- Maximum number of wired zones 104
- Maximum number of wireless zones 32*
- Number of user/installer codes 127/2
- Number of keypads 16
- Number of key tags/keyfobs 250/16

- Number of key/card readers 16
- Number of input/output expanders 32/16
- Number of power supply stations 4
- Number of partitions 16
- Maximum number of outputs 50

ABSOLUTA16-G3 Expandable Hybrid Control Panel for Medium-Scale Installations

- Maximum number of wired zones 16
- Maximum number of wireless zones 32*
- Number of user/installer codes 31/2
- Number of keypads 8
- Number of key tags/ keyfobs 64/16

- Number of key/card readers 16
- Number of input/output expanders 16/6
- Number of power supply stations 4
- Number of partitions 8
- Maximum number of outputs 6

* For non Grade 3 wireless subsystems

ABSOLUTA
app

EN50131 Grade 2 & 3 compatible

The ABSOLUTA APP for smartphones is designed to remotely manage ABSOLUTA control panels and to make managing the security system even easier for the end user. The innovative Real Time Push Notifications service allows the user to easily and effectively monitor the entire system.

Two versions of the ABSOLUTA APP (free with basic functionality and PRO with additional features) are available for iPhone, Android and Microsoft devices and can be downloaded online from the iTunes, Google and Microsoft online stores.
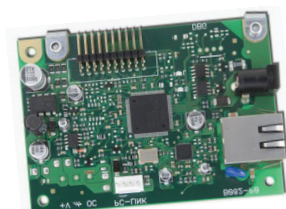
Some products are not available in all countries. Contact your local distributor for details.

ABSOLUTA add-on boards

ABS-GSM GSM/GPRS/SMS Communication Board for ABSOLUTA Control Panels

- Quad-band GSM module with remote antenna
- GSM voice messages transmission
- Voice messages sent after commands from the control panel
- Automatic message for panel fault
- SMS bidirectional communication over GSM (incoming and outgoing management of SMS for home automation functions)
- ABS-AK - GSM Antenna for Absoluta Cabinet

- ABS-AM - GSM Antenna for Metal Cabinet
- Contact ID transmission over GSM voice channel
- Credit and SIM control via SMS and from LCD keypad
- SMS for each zone alarm/event
- Caller ID recognition for outputs activation
- Contemporary communications via PSTN (voice) and via SMS management
- Answering machine through GSM channel

ABS-IP LAN/WAN Communication Board for ABSOLUTA Control Panels

- LAN/WAN internet protocol
- 128 bit encryption (secure)
- Up/download and event transmission

- Alarm reception via Sur-Gard receivers
- Integration protocol for third party systems

ABSOLUTA **Accessories**

Model	Description
ABS-M	Metallic box dimensions: 310x403x103 mm (without antenna); battery up to 17 Ah, tamper switch included
ABS-P	Plastic box dimensions: 319x352x92 mm (without antenna); battery up to 7 Ah, tamper switch included
BAQ15T12	Switching Power Supply 1,5 A
BAW35T12	Switching Power supply 2,6A
BAW60T12	Switching Power supply 3,6A
BAW75T12	Switching Power supply 5,4A
M-IN/OUT	Module with 6 programmable IN/OUT terminals
B-ISOL	Isolator module for isolating two sections of the BPI bus
USB5M	5 mt USB cable for local panel programming
MAXI ASNC	Anti-tamper and snatch kit
BXM12/30-50 BPI	External power supply station
ABSD-INT	English/French set of manuals for ABSOLUTA
ABSD-IBE	Spanish/Portuguese set of manuals for ABSOLUTA
KIT-G3RES	Kit 3 resistors for balancing EN-GR3 zones (100 pz)

ABS-VAP11G WiFi Bridge for ABS-IP

- Easy connection to any WiFi networks
- Transmission range (without obstacle): 100 mtr
- Powered by ABS-IP
- Automatic WiFi hotspot scan and WiFi hotspot memory function
- WPA-PSK/WPA2-PSK, 64/128/WEP security mechanism
- 300Mbps 802.11b/g/n WiFi transmission protocol

AS-100 Audio Station for ABSOLUTA Control Panels

- Equipped with speaker/microphone
- New modern look
- 4-wire connection to module
- Specifically designed for 2-way voice verification
- Surface or single-gang box mount

ABSOLUTA Features Comparison Chart

Features	EN Grade 2			EN Grade 3	
	ABS 16	ABS 42	ABS 104	ABS 16-G3	ABS 104-G3
Maximum number of wired zones	16	42	104	16	104
Maximum number of wireless zones	32	32	32	32*	32*
Total maximum number of combined (wired and wireless) zones	32	42	104	32	104
Number of user codes	31	63	127	31	127
Number of installer codes	2	2	2	2	2
Number of keypads	8	8	16	8	16
Number of key tags	64	128	250	64	250
Number of keyfobs	16	16	16	16	16
Number of key/card readers	16	32	32	16	32
Number of input/output expanders	32/16	32/16	32/16	32/16	32/16
Number of power supply stations	4	4	4	4	4
Number of partitions	8	8	16	8	16
Maximum number of outputs	6	20	50	6	50
Timers	16	16	16	16	16
Vocal messages	206	206	206	206	206
Numbers phone book agenda	32	32	32	32	32
Email addresses@	32	32	32	32	32
ABS-APP	✓	✓	✓	✓	✓
DTMF ARMING	✓	✓	✓	✗	✗
SMS ARMING	✓	✓	✓	✗	✗
Triple Balancing zones	✗	✗	✗	✓	✓
Power Supply	Sold separately: BAQ15T12, BAW35T12, BAW50T12, BAW75T12			13,8V, 5 Amps	
Cabinet	Sold separately: ABS-M; ABS-P			White metal 310x403x103	
Tamper	Opening; wall removing optional			Opening and wall removing	

Control Panels

KYO320 Expandable Hybrid Control Panel for Large-Scale Installations

- 8 on-board zones
- Expandable to 264 wired zones
- Expandable to 64 wireless zones
  433 and/or 868 MHz frequency)
- 6 programmable on-board outputs:
  3 (3 A relay) + 3 (1 A open-collector)
- Expandable to 102 programmable outputs
- Connect to 32 remote LCD keypads
- 10,000 event buffer size

- 5 installers and 195 users codes
- 500 keys/tags
- 16 + 16 keyfobs
- 32 readers
- 50 telephone numbers
- 2 operating modes: Normal or "EN50131"
- Comprehensive scheduler with 64 timers for basic home automation functionality
- Integrated access control functionality
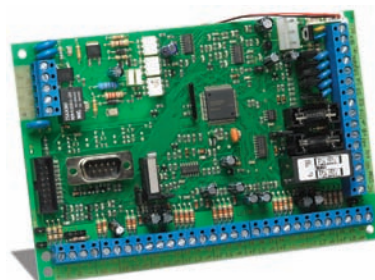
KYO320 **Accessories**

Model	Description
K3/VOX2	62 message voice board (8 minutes and 44 seconds message time total)
K3/PRT2	Printer card
M-IN/OUT	Module with 6 programmable IN/OUT terminals
B-ISOL	Isolator module for isolating two sections of the BPI Bus
K-NET	IP Module

KYO Unit

KYO32G Expandable Hybrid Control Panel for Medium-Size Installations

- 8 on-board zones
- Expandable to 32 wired zones
- Expandable to 32 wireless zones
- Outputs: 5 (500 mA) expandable to 16
- Connect to 8 remote LCD or LED keypads
- 8 partitions
- 256 event buffer size
- 1 installer and 24 users codes

- 128 keys/tags
- 16 keyfobs
- 16 readers
- 8 telephone number
- Voice dialer function with NC2/VOX
- Supports vibration and Roller-Blind detectors

KYO32 Expandable Hybrid Control Panel for Medium-Size Installations

- 8 on-board zones
- Expandable to 32 wired zones
- Expandable to 32 wireless zones
- Outputs: 3 (150 mA) expandable to 14
- Connect to 8 remote LCD or LED keypads
- 8 partitions
- 256 event buffer size
- 1 installer and 24 users codes

- 128 keys/tags
- 16 keyfobs
- 16 readers
- 8 telephone number
- Voice dialer function with NC2/VOX
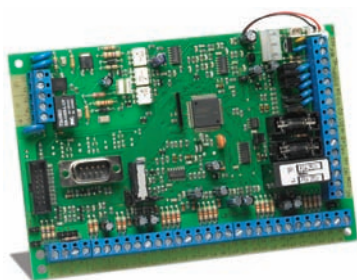- Supports vibration and Roller-Blind detectors

Some products are not available in all countries. Contact your local distributor for details.

KYO8GW Control Panel for Small-Scale Installations

- 8 on-board zones
- Manage up to 8 wireless zones
- Outputs: 5 (500 mA)
- Connect up to 8 keypads
- 128 keys

- 16 readers
- 4 partitions
- 128-event buffer size
- 1 installer and 24 users codes

KYO8W Control Panel for Small-Scale Installations

- 8 on-board zones
- Manage up to 8 wireless zones
- Outputs: 3 (150 mA)
- Connect up to 8 keypads
- 128 keys

- 16 readers
- 4 partitions
- 128-event buffer size
- 1 installer and 24 users codes

KYO4 Control Panel for Small-Scale Installations

- 4 on-board zones
- Outputs: 3 (150 mA)
- Connect up to 8 keypads
- 4 partitions
- 128 event buffer size
- 1 installer and 24 users codes

- 128 keys/tags
- 16 readers
- 8 telephone numbers
- Voice dialer function with NC2/VOX
- Supports Vibration and Roller-Blind detectors

KYO Unit **Accessories**

Model	Description
NC2/VOX	8 message voice board (90 seconds message time)
UNBOX-L	Metallic large box dimensions 339x488x108 mm battery up to 17 Ah
UNBOX-M	Metallic medium box dimensions 241x279 x87 mm battery up to 7 Ah
BOX-PLUS	Plastic box dimensions 309x227x89 mm battery up to 7 Ah
TRF-UNIT	Transformer compatible with KYO4, KYO8W and KYO32
BAQ15T12	Switching Power Supply 1.5 A
BAW35T12	Switching Power Supply 2.6 A
BAW50T12	Switching Power Supply 3.6 A
M-IN/OUT	Module with 6 programmable IN/OUT terminals
B-ISOL	Isolator module for isolating two sections of the BPI bus
ASNC	Anti tamper BOX-PLUS
MAXIASNC	Anti tamper BOX-M and BOX-L

Some products are not available in all countries. Contact your local distributor for details.

KYO **Control Panels Overview**

Features	KYO32/32G	KYO8W/8GW	KYO4	KYO320
Number of keypads	8	8	8	32
Number of codes (installer + user)	1 + 24	1 + 24	1 + 24	5 + 195
Number of keys	128	128	128	500
Number of key/card readers	16	16	16	32
Number of input expansions	4	0	0	32
Number of output expansions	2	0	0	16
Number of power supply stations/BPI repeater	0	0	0	8
On-board zones	8	8	4	8
Max number of wired zones	32	8	4	264
Max number of wireless zones	32	8	0	64
Total max number of combined (wired + wireless) zones	32	8	8	328
Programming port	RS232	RS232	RS232	RS232
Event buffer	256	256	128	10,000
Arming/Disarming scheduler	Only Arm	Only Arm	Only Arm	Yes
Timers	No	No	No	Yes
Voice telephone numbers	8	8	8	Up to 32
Central station phone numbers	8	8	8	Up to 8
Vocal messages (number-duration)	8-88 sec	8-88 sec	8-88 sec	62-523 sec
Telephone voice guide	No	No	No	Yes
Bell circuit	1 relay	1 relay	1 relay	3 relay programmable
On-board programmable outputs	3 oc 150 mA (32) 5 oc 500 mA (32G)	3 oc 150 mA (8W) 5 oc 500 mA (8GW)	3 oc 150 mA	3 oc 1 A
Max number of outputs	14 (32) 16 (32G)	3 (8W) 5 (8GW)	4	32
Number of partitions	8	4	4	32
Type of activation per partitions	Arm, partition A,B	Arm, partition A,B	Arm, partition A,B	Arm, partition A,B,C,D

NORMA - 8 zones Hardwired Control Panel

- 8 programmable on-board zones
- On board proximity reader for simplified operation
- Outputs: 1 (3 A relay) + 1 programmable Open Collector (200 mA)
- Connect up to 8 LED keypads and 8 Eclipse proximity readers

- 4 groups of zones for partition management
- 1 installer code, 5 users code and 128 keys/tags
- Easy installation directly by panel without a keypad

Control Panels **Compatibility Chart**

Panels Devices	ABSOLUTA	KYO320	KYO32 I 32G 8W I 8GW	KYO4	NORMA
M-IN/OUT	Yes	Yes	Yes (only 32/32G)	No	No
K3/VOX2	/	Yes	/	/	/
K3-PRT2	/	Yes	/	/	/
NC2/VOX	/	/	Yes	Yes	/
VOX-REM	/	Yes	Yes	Yes	/
B-ISOL	Yes	Yes	Yes	Yes	Yes
M-TOUCH	Yes	No	No	No	No
PREMIUM LED	No	No	Yes	Yes	Yes
PREMIUM LCD	Yes	Yes	Yes	Yes	No
CLASSIKA LED	No	No	Yes	Yes	Yes
CLASSIKA LCD	Yes	Yes	Yes	Yes	No
T-WHITE	Yes	Yes	Yes	Yes	No
T-BLACK	Yes	Yes	Yes	Yes	No
PROXI/ECLIPSE	Yes	Yes	Yes	Yes	Yes
VRX32/433	Yes	Yes	Yes (from rel. 2.1x)	No	/
VRX32/868	Yes	Yes	Yes (from rel. 2.1x)	No	/
VECTOR RX/8	No	Yes	Yes	No	/
B-NET/K-NET	No	Yes	No	No	/
ABS-GSM	Yes	No	No	No	No
ABS-IP	Yes	No	No	No	No
BXM12/B	Yes	Yes	No	No	No
BXM12/U	Yes	Yes	Yes	Yes	Yes
Bentel Security Suite	No	Yes	Yes	Yes	/
Bentel Operating Security Software	Yes	No	No	No	/

Some products are not available in all countries. Contact your local distributor for details.

Control Panels

M-Touch

A Simple and Effective Way to Secure the Entire Home.

Home Screen

Interactive Icon Screen

Graphic Map Screen

Totally compatible with the ABSOLUTA Series Control panel, the M-Touch TouchScreen keypad offers your customers a simple, interactive way, to manage and effectively control their security system utilizing the latest technologies from Bentel Security.

Conveniently configure 4 arming schemes with just a touch of the display, customize the keypad background and activate the home automation outputs (opening the gate, lighting control, watering cycle, etc), directly by using the new graphic maps feature. Visualizing alarm zones is easy as is the ability to bypass or re-include one: just by touching the map on the screen.

M-Touch – all the security you want at a touch.

BENTEL
SECURITY
From Tyco Security Products

BENTEL

ABSOLUTA M-TOUCH TouchScreen Keypad

With its slim and modern design and a 7" full color display, M-Touch is the perfect solution for controlling your home security. Its large, clearly recognizable on-screen buttons and intuitive menu-driven screens facilitate ease of use and programming.

- 7" full color display
- Slim modern design (800x480 resolution)
- Intuitive LED indication of security system status
- Up to 16 floor plans or pictures to show zones or commands
- Picture frame feature
- Clock feature
- Output control
- Intuitive user interface

- Customizable home screen and wallpaper
- Menu user programming
- Installer programming
- Virtual keypad
- SD card
- Digital picture frame mode
- Compatible with ABSOLUTA Series control panels
- Available in 9 languages

ABSOLUTA T-WHITE & T-BLACK Keypads

- Color: white or black with blue backlight
- Integrated proximity reader compatible with:
  - SAT2
  - Proxi-Cards
  - Miniproxi
  - Proxi-Tags
- 3 on-board I/O terminals
- Supports Roller Blind detectors

- Very simple and fast installation without cabling problems: terminals only on the back
- Integrated "spirit level" for easy installation
- 2x16 blue LCD display
- Adjustable display contrast
- 4 system status LEDs
- 3 proximity reader LEDs: arming, A and B arming

PREMIUM LCD Keypad

- Integrated proximity reader for keys, cards and tags
- 3 on-board I/O terminals
- Supports Roller Blind detectors
- Surface mounting or flush mounting (with optional kit)

- Very simple and fast installation without cabling problems: terminals only on the back
- Integrated "spirit level" for easy installation
- 2x16 blue LCD display
- Adjustable display contrast
- 4 system status LEDs

PREMIUM Keypad Accessories

Model	Description
BKP-BOX	Flush-mounting kit: flush-mounted box, mortar-proof cover, cap with Bentel logo, flush-mounted back
BKP-FMB	Flush-mounted box, mortar-proof cover, cap with Bentel logo
BKP-FBK	Flush-mounted back

CLASSIKA Series Keypads

- Great value
- Large and easy to use keys
- Very simple and fast installation without cabling problems: terminals only on the back

CLASSIKA LCD Keypad

- 2x16 blue LCD display
- Adjustable display contrast
- 3 system status LEDs

CLASSIKA LED Keypad

- 16 zone LEDs to display all 3 zone states
- 8 system status LEDs

Proximity Readers

PROXI

- Proximity key/card/tag reader for indoor/outdoor use (IP34)

MINIPROXI

- Proximity tag 50x30 mm

PROXI-CARD

- Proximity card

SAT2

- Proximity key

PROXI-TAG

- Proximity tag 60x30 mm
- Available in White, Gray and Black

ECLIPSE 2

- Proximity key reader for indoor use
- Possibility to use in combination with SAT, Miniproxi and Proxi-card
- Universal reader module
- Availability of 19 different covers to be adapted to the most used finishing styles

Some products are not available in all countries. Contact your local distributor for details.

Wireless Receivers

Choose between Bentel's 433 MHz or 868 MHz families of wireless devices. The 433 MHz family of devices offer proven range and reliability. The 868 MHz family of devices are perfect for installations where the 433 MHz frequency band is prone to interference.

VECTOR VRX32-433EN 32-Zone Wireless Receiver

- EN50131 Approved Grade 2
- Available in 433 MHz
- Supports up to 32 wireless detectors
- Supports up to 16 wireless key-fobs
- Easy installation
- Compatible only with ABSOLUTA control panels

VECTOR VRX32-433 | VRX32-868
32-Zone Wireless Receiver

- Available in 433 MHz and 868 MHz
- Supports up to 32 wireless detectors
- Supports up to 16 wireless keyfobs
- Easy installation
- Compatible with the following control panels: KYO8W, KYO8GW, KYO32, KYO32G, KYO320 and ABSOLUTA
- Can be used in conjunction with Vector/Quad module (only KYO320) for increased wireless range

VECTOR/RX8 8-Zone Wireless Receiver

- Available in 433 MHz
- Supports up to 8 wireless detectors
- Supports up to 8 wireless keyfobs
- Easy installation
- Compatible with the following control panels: KYO8W, KYO8GW, KYO32, KYO32G, KYO320
- Can be used in conjunction with Vector Quad module (only KYO320) for increased wireless range

VRP-433 Wireless Repeater

- Mains and with battery back-up powered
- Visual indicators for AC, Battery and RF Jam
- Internal antenna
- Approval: CE

- Compatible with:
  Control panels –
  ABSOLUTA, KYO Unit and KYO320 with the
  VRX32-433 & Vector/RX8 receivers

VECTOR/QUAD Wireless Range Expansion Module

Use a Vector/Quad module to connect up to 4 wireless receivers to the control panel and expand the wireless coverage area. Place the additional wireless receivers strategically throughout the building to prevent wireless deadspots and maximize the wireless coverage.
Note: the Vector/Quad does not provide additional zones.

- Voltage Range: 12Vdc - 14Vdc
- Current: 55 mA, plus current draw of
  each receiver module connected

- Compatible receiver modules:
  VRX32-433/868 and Vector/RX8
- Compatible control panels: KYO320

Wireless Devices

KMD20 (868 MHz) | AMD20 (433 MHz)
Wireless Pet-Immune PIR Motion Detector

- Cover: 26 beams on 4 levels, long, medium
  and short-range

- Battery: Lithium mod. CR123A

KMD20NP (868 MHz) | AMD20NP (433 MHz)
Wireless PIR Motion Detector

- Cover: 26 beams on 4 levels, long, medium
  and short-range

- Battery: Lithium mod. CR123A

KMC10 (868 MHz) Wireless Door/Window Magnetic Contact

- Dimensions (WxHxD): 75x31x22 mm
- Battery: 1 Lithium mod. CR2

KMC20 (868 MHz) Vanishing Wireless Door/Window Magnetic Contact

- Dimensions (WxHxD): 57x25x5.3 mm
- Battery: 1 Lithium mod. CR2032

KMC30 (868 MHz) | AMC30 (433 MHz) AMC30M (433 MHz) Wireless Door/Window Magnetic Contact with Auxiliary Input

- Auxiliary input supports roller blind detectors
- Dimensions (WxHxD): 75x43x25 mm
- Battery: 1 Lithium mod. CR123A
- Also available in brown (AMC30M)

KRC10 (868 MHz) | ARC20 (433 MHz) 4 Button Wireless Key

- Code combinations: 1.048.576
- Dimensions (WxHxD): 33x58x12 mm
- Batteries: 2 Lithium mod. CR2025

KRP10 (868 MHz) Personal Panic Button

- Belt clip
- Water resistant
- Dimensions (WxHxD): 33x58x12 mm
- Batteries: 2 Lithium mod. CR2025

KSD20 (868 MHz) | ASD20 (433 MHz) Wireless Smoke Detector

- Dimensions: base diameter 147 mm, height 52.8 mm
- Batteries: 2 Lithium batteries mod. CR123

Some products are not available in all countries. Contact your local distributor for details.

Wireless Systems

BGS-220 / B3G-220
Universal Cellular Communicator

THE *NEW* SMALL **ADDITION** THAT MAKE THE **DIFFERENCE**

With the simple addition of the BGS-220 or B3G-220, it's possible to upgrade almost any legacy PSTN panel to a modern GSM/3G system through the power of cellular connectivity, converting the Contact ID codes into clear vocal messages or SMS clear vocal or SMS messages.

You can protect your home or business in a safer, smarter and innovative way directly from your smartphone, without the expense of a new control panel yet enhance the security and expand the life of your existing system because of the BGS-220's 2G network and the B3G-220's 3G network.

Bentel Security – *For a Safer World*

BENTEL
SECURITY
From Tyco Security Products

BGS-220 - **GSM/GPRS Universal Communicator**

B3G-220 - **GSM/3G Universal Communicator**

- 2G and 3G Versions in Kit or Cabinet Versions
- Approved EN50136
- CiD to Voice/SMS function: Sending voice messages or SMS according the CiD coming from the panel
- Integrated Antenna *

- Optional external pentaband antennas
- Remote programming by BOSS
- USB Port for local programming*
- 6 programmable terminals (input/output)
- Optional Li Ion battery for 6 hours autonomy in case of electrical breakdown*

Communicator **Available Models**

Model	Description
BGS-220	2G communicator, plastic cabinet
B3G-220/EU	3G communicator 900/1800 MHz bands, plastic cabinet
BGS-220K	Kit including 2G communicator, 2 mt cable antenna, adapter and metal bracket
B3G-220K/EU	Kit including 3G communicator 900/1800 MHz bands, 2 mt cable antenna, adapter and metal bracket

*Available in the cabinet version only   Some products are not available in all countries. Contact your local distributor for details.

BGSM-120 GSM/GPRS Universal Communicator

The BGSM-120 offers Voice Dialer functionality in addition to the long list of standard Bentel communicator features. Small enough to fit inside the panel cabinet and no extra battery required.

- GSM Quad-Band
- Can be used as a primary, backup or standalone communicator
- Can be installed inside panel cabinet (no extra battery required)
- Compatible with most control panels
- PTM* feature Intelligently monitors phone line and switches automatically to GSM network
- Able to detect VOIP service problems quickly (PTM*)
- 3 programmable I/O terminals
- Telephone voice dialer: 8 voice messages of up to 16 sec. each
- SMS dialer: 11 SMS messages of 100 characters
- 8 telephone numbers for the Telephone and SMS dialers
- Reliable, fast Contact ID communications via GPRS (compatible with Sur-Gard System II and System III receivers)
- Credit balance check for pre-paid SIM CARDS
- Programmable "whitelist" of enabled callers – up to 100 telephone numbers
- Remote activation of outputs through caller recognition (zero charges) or by sending an SMS
- Remote control feedback (SMS message or ring)
- Flexible PC configuration software

* PTM is a proprietary technology

BGSM-100 GSM/GPRS Interface

The BGSM-100 can be used as an always-on backup communicator or it can be used as the primary communicator, eliminating the need for phone lines.

- GSM Quad-Band
- Can be used as a Primary or Backup communicator
- Can be installed inside panel cabinet (no extra battery required)
- Compatible with most control panels
- PTM feature intelligently monitors phone line and switches automatically to GSM network
- 3 Open Collector Outputs, one which can be activated remotely

 * PTM è una tecnologia proprietaria.

- Reliable, fast Contact ID communications via GPRS (compatible with Sur-Gard® System II and System III receivers)
- Programmable "whitelist" of enabled callers – Up to 100 telephone numbers
- Remote activation of outputs through caller recognition (zero charges)
- Remote control feedback
- Flexible PC configuration software

Communicator **Available Models**

Model	Description
BGSM-120KEA	Kit including board, 2 m cable antenna , metal, bracket and supports
BGSM-120KCA	Kit including board, 25cm cable antenna and supports
BGSM120-BA	Cabinet version complete with antenna

Remote programming by
www.bentelreachme.com
No communication cost

Some products are not available in all countries. Contact your local distributor for details.

![BENTEL SECURITY logo]

Communicator **Accessories**

Model	Description
MAXIASNC	Anti-tamper switch for BGSM-120/100BA
PC-LINK	Programming cable
LIB2A6	Li-Ion Battery 2,6Ah

ANT5-15 Outdoor Remote GSM Antena

Penta Band Cellular outdoor antenna with 15m cable, adaptor cable and metal bracket

- Penta band: 820 - 2170 MHz
- Polarization: vertical
- Antenna length: 330mm
- Cable length: 15m
- VSWR < 2.0
- Cover material: PVC
- Connectors: SMA
- Adaptor cable from SMA to MMCX

Compatible with BGS220, BGS220-K, B3G220, B3G220-K, BGSM-120KCA, BGSM-100KCA, BGSM120-KEA, BGSM100-KEA and ABS-GSM (NOT compatible with BGSM-120/100BA)

ANT5-02 Outdoor Remote GSM Antena

Penta Band Cellular indoor antenna with magnetic base, 2 m cable and metal bracket

- Penta band: 820 - 2170 MHz
- Polarization: vertical
- Antenna length: 130mm
- Cable length: 2m

- VSWR < 2.0
- Cover material: ABS
- Connectors: SMA and MMCX
- Compatible with all BGSx, B3Gx, BGSMx.

B-TEL GT Quad-Band Gsm Voice And Sms Communicator

- Vocal menu in 4 languages for programming and use
- Vocal dialer with 64 seconds of vocal messages
- Secure listen-in of premises

- Remote control via SMS
- 9 programmable telephone numbers (16 digits)
- Alphanumeric keypad for operating control
- Power supply: 13.8 Vdc

Some products are not available in all countries. Contact your local distributor for details.

Communications & Programming Systems

B-TEL2 Stand Alone Voice and Digital PSTN Communicator

The B-TEL2 is a voice communicator and digital communicator in one. Use the listen-in capability to prevent false alarms.

- Vocal dialer with 64 seconds of vocal messages
- Secure listen-in of premises
- Integrated multi-protocol digital communicator with programmable event code
- Remote control via DTMF
- Programming via software or integrated keypad

- Historical log of calls (255 calls)
- Power supply: 13.8 Vdc and 27.6 Vdc
- 8 programmable telephone numbers for each channel
- 19 digits available for each telephone number: possibility to insert pauses
- 4 types of messages
- Alphanumeric keypad for operating control

SUR-GARD SYSTEM II Single Line IP Receiver

The System II single-line IP receiver is designed for proprietary applications such as gated communities/ condominiums, dealers monitoring account system status, private corporate security and government facilities.
System II supports up to 1024 T-Link accounts (K-NET or BGS-220/B3G-220), of those accounts, 512 can be supervised.
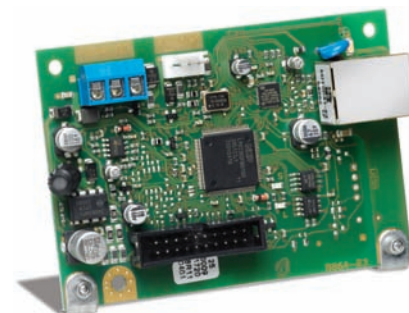
- Desktop or rack mountable
- USB or serial outputs to automation software
- Menu-driven, 40-character, 2-line LCD display with blue backlighting provides instruction when in manual mode
- 4 buttons for manual programming and acknowledgment of alarm signals when in manual mode

- On-board flash memory and DSP for future software upgrades and enhancements
- * Console software not included: Visit www.bentelsecurity.com for a list of available applications.

SUR-GARD
From Tyco Security Products

K-NET Ip Communication Board

IP Module for KYO320. K-NET is the evolution of B-NET, offering the same performance levels but in a smaller package, meaning it can be installed directly inside the container of control panel KYO320. K-NET is a device that may expand the functions of KYO320 control panel through communication over the LAN.

- LAN/WAN Internet protocol
- 128 bit encryption (secure)
- Up/Download and event transmission
- Alarm reception via Sur-Gard System II/III receiver

- Integration protocol for third party systems, available on request (contact Technical Support service for further information)

Some products are not available in all countries. Contact your local distributor for details.

CALL Self-Powered External Sirens with Flasher

- Strong polycarbonate box with tropicalized metal innerplate: resistant to all weather conditions (protection class IP34)
- Modulated frequency sound emission with the possibility to assign different sounds to the alarm input
- Test circuit for battery level and efficiency with flasher cut out activated by low battery conditions

- Protected against tamper, snatch, flasher damage and wire cutting and with foam injection tamper device (select models only)
- 3 different inputs for alarm signaling on siren sounder, flasher or both (select models only)
- Available with anti-foam option
- Colours: white and light silver

Complies with CEI 79-2/2nd Ed. 1993 performance Grade II

LADY Self-Powered External Sirens with Flasher

- Strong polycarbonate box with tropicalized metal innerplate: resistant to all weather conditions (protection class IP34)
- Modulated frequency sound emission with the possibility to assign different sounds to the alarm input
- Test circuit for battery level and efficiency with flasher cut out activated by low battery conditions

- Protected against tamper, snatch, flasher damage and wire cutting and with foam injection tamper device (select models only)
- 3 different inputs for alarm signaling on siren sounder, flasher or both (select models only)

Complies with CEI 79-2/2nd Ed. 1993 performance Grade II

WAVE High Performance Internal Siren

- Operating voltage 12 Vdc
- Sound output volume 104 dBA ±3 dB @ 1 m

- Protection class IP31
- Available with or without flasher

Some products are not available in all countries. Contact your local distributor for details.

BMD501 Digital PIR Detector with Pet Immunity

Whether it's a residential or commercial installation, the BMD500 Series combines performance with competitive pricing to offer the perfect solution.

- Digital signal analysis
- Pet immunity up to 25 kg (55 lb)
- Exceptional white light immunity
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- Compact design for residential installations
- Adjustable variable pulse count

- PIR sensitivity adjustment
- Height installation calibration free
- Dimensions (WxHxD): 118x62.5x41 mm
- Power input: 8.2 to 16 Vdc
- Current draw (Standby): 18 mA
- Current draw (Active): 25.5 mA
- RFI protection:30 V/m 10-1000 MHz
- EMI protection: 50,000 V

BMD503/BMD504 Dual-Tech (PIR + Microwave) Motion Detectors with Anti-Masking and Pet-Immunity

The BMD503 is a dual technology motion detector that combines passive infrared and microwave detection with anti-masking features. The BMD504 dual-technology motion detector without antimasking offers reliable prevention of false alarms at an economical price.

- Anti-masking (BMD503 only) and anti-tamper
- Slim profile design
- Pet immunity up to 25 kg (55 lb)
- Exceptional white light immunity
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- Height installation calibration free
- 2-way PIR/microwave sensitivity adjustment

- User-friendly installation with or without swivel-mount bracket (bracket sold separately)
- Dimensions (WxHxD): 118x62.5x41 mm
- Power input: 8.2 to 16 Vdc
- Current draw (Standby): 18 mA
- Current draw (Active): 25.5 mA
- RFI protection: 30 V/m 10-1000 MHz
- EMI protection: 50,000 V

BMD-707 Wired Outdoor 8 PIR Detector

The BMD-707 features the true revolutionary **TMR™ True Motion Recognition Technology** using 8 PIR sensors. Each sensor acts as a Quad detector to accurately determine real threats while being able to prevent false alarms caused by outdoor interference, such as rain, snow and animals.

- Advanced Obsidian Black Mirror™ optics technology (patent pending) distinguishes a moving person from swaying trees or small animals ensuring effective detection of human movement while minimizing false alarms
- High protection against snow, rain, dust, wind and direct sunlight
- Tamper protection against opening and removal from wall

- Alarm LED is visible in sunlight
- Low voltage detection
- Self-test
- Robust housing with recessed window
- Smart anti-masking can distinguish between masking spray and rain
- Immunity to pets weighing up to 18 kg (39.7 lb)
- Built-in swivel bracket
- IP 55

IR360 360° PIR Detector

Designed for applications which require high sensitivity and cover, such as rooms with large amounts of view restricting furniture.

- Ceiling mount for environments with a restricted field of vision
- Temperature compensation for improved performance at critical temperatures
- Sensitivity adjustment to configure the detector for normal or hostile environments

- Excellent RF immunity
- Exceptional white light immunity
- Operating voltage 9.5 ÷ 14 Vdc
- Standby current: 15 mA
- Case protection grading: IP50
- Dimensions (WxHxD): 115x115x25 mm

RILED Remote LED Indicator

- Supplementary visual signalling for fire and intrusion installation
- Current: max 30 mA

- Dimensions (WxHxD): 83x83x26 mm
- Multi-voltage for intrusion: 12V

GB08 Glass Break Detector

Designed to detect the sounds produced by the shattering of framed glass.

- High-performance microphone
- Sensitivity adjustment
- Digital signal analysis provides exceptional false alarm immunity
- Excellent RF immunity
- Accurate detection of framed plate, laminated, wired and tempered glass types

- Operating voltage 9.5 ÷ 14 Vdc
- Standby current: 15 mA
- Case protection grading: IP50
- Dimensions (WxHxD): 89x64x20 mm

RAY Outdoor Barrier for Long-Range Protection of Property Perimeters

- Active infrared double-ray photoelectric sensor
- Signal LED for system's status
- Excellent RF immunity
- Alarm output

- Tamper output
- Supply voltage: 10 ÷ 18 Vdc
- Current: < 43 mA
- Case protection grading: IP54

Some products are not available in all countries. Contact your local distributor for details.

BXM12 Controlled Power Station

- Microprocessor controlled power station 230 Vac/13.8 Vdc, metallic box. Available as a universal version (BXM12/30-U or BXM12/50-U) for all control panels, and a BPI version (BXM12/30-B or BXM12/50-B) for KYO320 and ABSOLUTA
- Restoration of BPI bus levels (BXM12/30-B and BXM12/50-B only)

- Insulator function (BXM12/30-B and BXM12/50-B only)
- Auxiliary power supply
- Max current:
  BXM12/30 = 3 A; BXM12/50 = 5 A

BAW Switching Power Supply Battery-Charger

- 230 Vac/13.8 Vdc
- Max Current:
  - BAQ15T12 = 1.5A
  - BAW35T12 = 2.6A
  - BAW50T12 = 3.6A
  - BAW75T12 = 5.4A

- Compatible with Absoluta and Kyo Unit

Model	Description
BAQ15T12	Switching power supply for Absoluta and Kyo - Max Current 1,5A @ 13,8V.
BAW35T12	Switching Power Supply 13,8V 2,6A - compatible with Absoluta and Kyo Unit
BAW50T12	Switching Power Supply 13,8V 3,6A - compatible with Absoluta and Kyo Unit
BAW75T12	Switching Power Supply 13,8V 5,4A - compatible with Absoluta and Kyo Unit
KST	Thermal probe kit for power suppliers
BX	Metal case for BAQ15, BAQ35, BAQ60 Power Supplies - for 7A battery
BXM	Metal case for BAQ15, BAQ35, BAQ60 Power Supplies - for 17A battery

Some products are not available in all countries. Contact your local distributor for details.

BOSS Bentel Operating Security Software

BOSS is an advanced software platform for local and remote management of Bentel Security systems. System programming, site monitoring and firmware management are made easy with BOSS through a powerful and intuitive user interface. Improve efficiency and do it all at once with the many features of BOSS that allow true multi-tasking.

The BOSS platform brings an extensive list of features and capabilities:

- Unlimited number of accounts
- Support Absoluta Control panels, BGS and B3G communicators
- Backed by SQL database for stability, security and reliability of account data
- Extensive search capabilities
- Tabs: open many accounts at once just like your favorite internet browser
- Single option tagging to minimize the amount of data transfer
- Multi-tasking: continue to work on other accounts while communications are in progress
- Complete management of voice files
- Continuous "Real-Time" status mode
- Built-in firmware upgrade tool
- Flexible account management
- Queued communication jobs
- Extensive tracking and control of communications jobs
- Managed updates and installation

BOSS will require the following applications to be installed:

1. .NET Framework 4.0
2. Visual C++

BSS Bentel Security Suite

The Bentel Security Suite is an integrated environment that has been developed to meet the needs of local and remote management of Bentel Security systems. It will allow you to program, control and enhance the performance of any all KYO Platform, BGSM Communicator, and all the old Bentel Security Products equipped with a local or remote computer interface. The customer database and print facilities will keep you in touch and informed. It is surely the best way to achieve the maximum from your Bentel Security installation.

All Bentel software are available for free download at www.bentelsecurity.com

Some products are not available in all countries. Contact your local distributor for details.

SECURITY IS ABSOLUTA

CONTROL PANEL

KEYPADS AND MANAGEMENT DEVICES

ABSOLUTA T-BLACK & T-WHITE
Integrated proximity reader for keys, cards and tags; 3 on-board I/O terminals; Supports Roller Blind detectors.

CLASSIKA LCD
Two-line LCD control keypad, with 3 status LEDs.

PREMIUM LCD
Two-line LCD control keypad with proximity reader and 3 programmable I/O terminals.

M-TOUCH
7" colour TouchScreen keypad with an extremely intuitive menu for users and installers.

PROXI & PROXI-CARD
Proximity key/card reader for indoor/outdoor use (IP34).
*Proximity card.

PROXI-TAG
60 x 30 mm proximity tag, available in white, grey and black.

ECLIPSE2 & SAT2
Flush-mounted proximity reader (available in various formats to be used in conjunction with most plates currently available).
*Proximity key.

MINIPROXI
50 x 30 mm proximity tag.

OPTIONAL BOARDS

ABS-GSM
GSM/GPRS/SMS communication board for Absoluta control panels.

ABS-IP
TCP/IP communication board

ABS-VAP11G
WiFi bridge for ABS-IP board.

CONTROL PANEL ACCESSORIES

M-IN/OUT
Module with 6 programmable IN/OUT terminals.

B-ISOL
BUS BPI isolator module.

WIRED DETECTORS

BMD501
Digital PIR detector with pet immunity.

BMD-707
Wired outdoor 8 PIR detector.

BMD503/504
Digital PIR and microwave detector with pet-immune and anti-masking.

AUDIO MODULE

AS100
Stand alone audio module.

POWER SUPPLIES

BXM-12
Microprocessor controlled power station.

SOFTWARE WINDOWS

BENTEL OPERATING SECURITY SOFTWARE (BOSS)
Bentel software management system.

ABSOLUTA
HYBRID CONTROL PANEL
UP TO 104 ZONES
ABS16, ABS42, ABS104

WIRELESS SYSTEMS & ACCESSORIES IN 868 MHz

VRX32-868
Wireless receiver, supporting up to 32 zones.

KMC10
Wireless door/window magnetic contact, supporting up to 32 zones.

KMC20
Vanishing wireless door/windows magnetic contact.

KMC30
Wireless door/window magnetic contact with auxiliary input for rollerblind detector.

KMD20
Wireless infrared pet-immune PIR detector.

KSD20
Wireless optical smoke detector.

KRP10
Personal panic button.

KRC10
4-Button key fob.

WIRELESS SYSTEMS & ACCESSORIES IN 433 MHz

VRP-433
Wireless Repeater.

VRX32-433
Wireless receiver, supporting up to 32 zones.

ASD20
Wireless optical smoke detector.

AMC30
Wireless magnetic contact with auxiliary input for rollerblind detector.

ARC20
4-Button keyfob.

AMD20
Wireless infrared pet-immune PIR detector.

SIGNALING DEVICES

CALL
Self-powered siren for outdoor use with flasher. Antifoam and strobe versions.

WAVE
Siren for indoor use. Self-powered and strobe versions.

LADY
Self-powered siren for outdoor use: antifoam and strobe versions.

27

Index

BENTEL
SECURITY
From Tyco Security Products

For more information on the products featured here or
on any other Bentel Security product
please call **+39 0861 839060**
E-mail us at **infobentelsecurity@tycoint.com**
or contact your Authorized Distributor.
Please visit us at **www.bentelsecurity.com**